

App. No. 09/785,942
Amendment dated April 28, 2006
Reply to Final Office Action of March 2, 2006

Listing of claims:

1. (currently amended) A computer-readable medium on a mobile computing device having computer-executable components for managing a message within a mobile device, comprising:

a main application in communication with a messaging component and a table, wherein:

the messaging component is configured to receive a first message that is specifically formatted for communication with the messaging component,

the first message is associated with a class identifier that distinguishes the first message from other messages formatted for communication with a different messaging component,

the messaging component is configured to pass a notice to handle the first message to the main application using a standard interface,

the notice is in a standardized message format and includes the class identifier associated with the first message,

the main application is configured to query the table to identify a message form registered to handle messages associated with the class identifier such that the identified message form is configured to handle messages formatted for communication with the message component,

the main application is configured to instantiate the identified message form, ~~and~~ pass the first message to the instantiated message form and display the instantiated message form with the first message,

the messaging component is further configured to receive a second message and pass the second message to the instantiated message form, and

the main application is further configured to display the instantiated message form with the second message without having to create a new message form, wherein the first message is not displayed with the instantiated message form

~~the instantiated message form communicates instructions to the main application using the standard interface, and~~

App. No. 09/785,942
Amendment dated April 28, 2006
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~~an operation is performed on the message based on the instructions when the standard interface is called.~~

2. (Previously presented) The computer-readable medium of claim 1, wherein the messaging component comprises a message transport.
3. (Previously presented) The computer-implemented medium of claim 1, wherein the messaging component comprises a storage component.
4. (Previously presented) The computer-implemented medium of claim 1, further comprising another messaging component that communicates with the messaging component and the main application using the standard interface.
5. (Cancelled)
6. (Previously presented) The computer-readable medium of claim 1, wherein the class identifier is one identifier in a plurality of hierarchically structured class identifiers.
7. (Original) The computer-readable medium of claim 1, wherein the table includes a listing of class identifiers that each describe a class of message, each class identifier being associated with a corresponding message form.
8. (Original) The computer-readable medium of claim 7, wherein the table further includes a default message form that is returned when the class identifier is not in the listing of class identifiers.
9. (Original) The computer-readable medium of claim 7, wherein the table comprises a system registration database.
10. (Currently amended) A computer-readable medium on a mobile computing device having computer-executable instructions for performing steps, comprising:

App. No. 09/785,942
Amendment dated April 28, 2006
Reply to Final Office Action of March 2, 2006

receiving a first message over a transport interface, wherein the first message is specifically formatted for communication with the transport interface, and further wherein the first message is associated with a class identifier that identifies the transport interface for which the first message is formatted;

receiving over a standard interface a notice to handle the first message, wherein the standard interface is configured to receive the notice in a standardized message format;

retrieving the class identifier from the first message, wherein the class identifier distinguishes the first message from other messages formatted for communication with a different transport interface;

accessing a registry to identify a message form registered to handle messages having the class identifier, wherein the identified message form is configured to handle messages formatted for communication with the transport interface;

instantiating the identified message form;

passing the first message to the instantiated message form;

displaying the instantiated message form with the first message;

receiving a second message over the transport interface;

passing the second message to the instantiated message form; and

displaying the instantiated message form with the second message without having to create a new message form, wherein the first message is not displayed with the instantiated message form

~~communicating instructions from the instantiated message form to an application through an application interface; and~~

~~performing an operation on the message based on the instructions when the application interface is called.~~

11. (Currently amended) The computer-readable medium of claim 10, wherein the notice to handle the first message comprises an instruction to display the message on the mobile computing device.

App. No. 09/785,942
Amendment dated April 28, 2006
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12. (Currently amended) The computer-readable medium of claim 10, wherein the class identifier is stored within a property of the first message.

13. (Original) The computer-readable medium of claim 10, wherein the registry includes a listing of class identifiers that each describe a class of message, each class identifier being associated with a corresponding message form.

14. (Original) The computer-readable medium of claim 13, wherein the registry further includes a default message form that is returned when the class identifier is not in the listing of class identifiers.

15. (Currently amended) A system for managing communication messages on a mobile device, comprising:

a message form object having a first standardized interface for communicating information with other components in the system, wherein:

the message form object handles communication messages associated with a class identifier, and

the class identifier identifies a message transport for which the communication message is formatted;

an application having a second standardized interface for communicating information with other components in the system, wherein:

the application is configured to identify and instantiate the message form object that is registered to handle a first communication message received by the system based on the associated class identifier, and

the class identifier distinguishes the first communication message from other communication messages formatted for communication with a different message transport; and

a message transport having a third standardized interface for communicating information with other components in the system, wherein:

App. No. 09/785,942
Amendment dated April 28, 2006
Reply to Final Office Action of March 2, 2006

the message transport receives the first communication message that is specifically formatted for communication with the message transport,
the message transport is configured to pass the first communication message associated with the class identifier to the message form object,
the message form object is configured to handle communication messages formatted for communication with the message transport,
the application is further configured to display the instantiated message form object with the first communication message,
the message transport is further configured to receive a second communication message and pass the second communication message to the instantiated message form object, and
the application is further configured to display the instantiated message form object with the second communication message without having to create a new message form object, wherein the first communication message is not displayed with the instantiated message form object
~~the message form object communicates instructions to the application, and~~
~~an operation is performed on the communication message based on the instructions.~~

16. (Previously presented) The system of claim 15, wherein the first standardized interface includes means for instructing the message form object to perform actions.

17. (Original) The system of claim 16, wherein the first standardized interface comprises an IMessageForm interface.

18. (Original) The system of claim 16, wherein the first standardized interface comprises an IFormProvider interface.

19. (Original) The system of claim 15, wherein the second standardized interface includes means for instructing the application to perform actions.

App. No. 09/785,942
Amendment dated April 28, 2006
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20. (Original) The system of claim 19, wherein the second standardized interface comprises an IMessageFormHost interface.

21. (Original) The system of claim 19, wherein the second standardized interface comprises an IMailSyncCallBack interface.

22. (Original) The system of claim 15, wherein the third standardized interface includes means for instructing the message transport to perform actions.

23. (Original) The system of claim 22, wherein the third standardized interface comprises a IMailSyncHandler interface.